

**Note to readers with disabilities:** *EHP* strives to ensure that all journal content is accessible to all readers. However, some figures and Supplemental Material published in *EHP* articles may not conform to [508 standards](#) due to the complexity of the information being presented. If you need assistance accessing journal content, please contact [ehponline@niehs.nih.gov](mailto:ehponline@niehs.nih.gov). Our staff will work with you to assess and meet your accessibility needs within 3 working days.

## **Supplemental Material**

# **Exposure to Traffic-Related Air Pollution and Serum Inflammatory Cytokines in Children**

Olena Gruzieva, Simon Kebede Merid, Anna Gref, Ashwini Gajulapuri, Nathanaël Lemonnier, Stéphane Ballereau, Bruna Gigante, Juha Kere, Charles Auffray, Erik Melén, and Göran Pershagen

### **Table of Contents**

**Table S1.** Associations between PM<sub>10</sub> exposure and blood cytokine levels in the BAMSE children.

**Table S2.** Associations between PM<sub>10</sub> exposure and blood cytokine levels stratified by doctor's diagnosis of asthma ever up to 8 years in the BAMSE children.

**Table S3.** Associations between NO<sub>2</sub> exposure and blood cytokine levels stratified by child's sex and maternal smoking during pregnancy and/or infancy in the BAMSE children.

**Table S4.** Associations between PM<sub>10</sub> exposure and blood cytokine levels stratified by child's sex and maternal smoking during pregnancy and/or infancy in the BAMSE children.

**Table S5.** Associations between NO<sub>2</sub> and PM<sub>10</sub> exposure and blood cytokine levels in the BAMSE children, excluding subjects currently taking asthma medication.

**Table S6.** Associations between NO<sub>2</sub> exposure and blood cytokine levels including both early and current exposures to the same model.

**Table S7.** Associations between PM<sub>10</sub> exposure and gene expression in 16-year-old BAMSE children (N=238).

**Table S8.** Association between NO<sub>2</sub> exposure levels at 16 years of age and *IL6* expression levels in BAMSE stratified by genotype (n=166).

**Figure S1.** Box plots of the distribution of serum inflammatory cytokines concentration stratified by doctor's diagnosis of asthma ever up to 8 years.